

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/005936

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12N15/74

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, CHEM ABS Data, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	<p>JONUSCHEIT MELANIE ET AL: "A reporter gene system for the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> based on a selectable and integrative shuttle vector."  <i>MOLECULAR MICROBIOLOGY</i>,      vol. 48, no. 5, June 2003 (2003-06), pages 1241-1252, XP002292795      ISSN: 0950-382X      the whole document</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1-21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

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- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
18 August 2004	02/09/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Seranski, P

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>STEDMAN KENNETH M ET AL: "Genetic requirements for the function of the archaeal virus SSV1 in <i>Sulfolobus sulfataricus</i>: Construction and testing of viral shuttle vectors"  <i>GENETICS</i>, vol. 152, no. 4, August 1999 (1999-08), pages 1397-1405, XP002292796  ISSN: 0016-6731  cited in the application  page 1400, column 1, paragraph 2 - page 1400, column 2, paragraph 1  page 1401, column 2, paragraphs 2,3  page 1402, column 2, paragraph 3 - page 1404, column 1</p> <p>-----</p>	1-10, 13-21
Y	<p>STEDMAN K, ZILLIG W, SCHLEPER C, MARTUSEWITSCH W, VAN DER OOST J: "Extremophile Genetics"  SECOND ASTROBIOLOGY SCIENCE CONFERENCE, 7 April 2002 (2002-04-07), XP002292797  INTERNET abstract</p> <p>-----</p>	1-10, 13-21
Y	<p>STEDMAN KENNETH M ET AL: "Relationships between fuselloviruses infecting the extremely thermophilic archaeon <i>Sulfolobus</i>: SSV1 and SSV2."  RESEARCH IN MICROBIOLOGY, vol. 154, no. 4, May 2003 (2003-05), pages 295-302, XP002292798  ISSN: 0923-2508  page 299, column 1, paragraph 4 - page 301, column 1, paragraph 3</p> <p>-----</p>	1-10, 13-21
A	<p>CIARAMELLA MARIA ET AL: "Molecular biology of extremophiles: Recent progress on the hyperthermophilic archaeon <i>Sulfolobus</i>."  ANTONIE VAN LEEUWENHOEK, vol. 81, no. 1-4, August 2002 (2002-08), pages 85-97, XP002292799  ISSN: 0003-6072  the whole document</p> <p>-----</p>	1-10